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PTO/SB/05 (11-00)

Approved for use through 10/31/02 OMB 0651-0032  
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**UTILITY  
PATENT APPLICATION  
TRANSMITTAL**

Attorney Docket No. 497872000400

First Inventor Davide R. GRASSETTI

Title METHOD OF IMMUNOMODULATION USING THIONE-FORMING DISULFIDES

Express Mail Label No. EL569182479US

(Only for new nonprovisional applications under 37 CFR 1.53(b))

**CERTIFICATE OF MAILING BY "EXPRESS MAIL"**

Express Mail Label No.: EL569182479US

Date of Deposit: January 10, 2002

I hereby certify that this paper or fee is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 C.F.R. § 1.10 on the date indicated above and is addressed to: Assistant Commissioner for Patents, Washington, D.C. 20231.

Tamara Alcaraz

**APPLICATION ELEMENTS**

See MPEP chapter 600 concerning utility patent application contents.

ADDRESS TO:

Assistant Commissioner for Patents  
Box Patent Application  
Washington, DC 20231

1. ☒ Fee Transmittal Form (e.g. PTO/SB/17) plus copy for fee processing (2 pgs)  
(Submit an original, and a duplicate for fee processing)

2. ☒ Applicant claims small entity status.  
See 37 CFR 1.27.

3. ☒ Specification [Total Pages 56]

- (preferred arrangement set forth below)
- Descriptive title of the invention
  - Cross Reference to Related Applications
  - Statement Regarding Fed sponsored R & D
  - Reference to sequence listing, a table, or a computer program listing appendix
  - Background of the invention
  - Brief Summary of the invention
  - Brief Description of the Drawings (if filed)
  - Detailed Description
  - Claim(s)
  - Abstract of the Disclosure

4. ☒ Drawing(s) (35 USC 113 [Total Sheets 7])

5. Oath or Declaration [Total Pages 2]

- a. ☐ Newly executed (original or copy)
- b. ☐ Copy from a prior application (37 CFR 1.63(d))  
(for continuation/divisional with Box 18 completed)
1. ☐ **DELETION OF INVENTOR(S)**  
Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b)

6. ☒ Application Data Sheet. See 37 CFR 1.76 (2 pages)

7. ☐ CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)

8. Nucleotide and/or Amino Acid Sequence Submission  
(if applicable, all necessary)

- a. ☐ Computer Readable Form (CRF)
- b. Specification Sequence Listing on:  
i. ☐ CD-ROM or CD-R (2 copies); or  
ii. ☐ paper
- c. ☐ Statements verifying identity of above copies

**ACCOMPANYING APPLICATION PARTS**

9. ☐ Assignment Papers (cover sheet & document(s))
10. ☐ 37 CFR 3.73(b) Statement (where there is an assignee) ☐ Power of Attorney
11. ☐ English Translation document (if applicable)
12. ☐ Information Disclosure Statement (IDS)/PTO-1449 ☐ Copies of IDS Citations
13. ☐ Preliminary Amendment
14. ☒ Return Receipt Postcard (MPEP 503)  
(Should be specifically itemized)
15. ☐ Certified Copy of Priority Document(s)  
(if foreign priority is claimed)
16. ☐ Request and Certification under 35 U.S.C. 122(b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent.
17. ☐ Other

18. If a CONTINUING APPLICATION, check appropriate box and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:

☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP) of prior application No:

Prior application information

Examiner

Group / Art Unit

For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. This incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

**19. CORRESPONDENCE ADDRESS**

☒ Customer Number or Bar Code Label

or ☐ Correspondence address below



25226

PATENT TRADEMARK OFFICE

(Insert Customer No. or Attach bar code label here)

Name Morrison & Foerster LLP

Address 755 Page Mill Road

City Palo Alto

State California

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Country U.S.A.

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Name (Print/Type) Terri Shieh-Newton

Registration No. (Attorney/Agent)

47,081

Signature

Date January 10, 2002

pa-657166

**FEE TRANSMITTAL  
FOR FY 2002**

Patent fees are subject to annual revision.

**Complete if Known**

|                      |                     |
|----------------------|---------------------|
| Application Number   | To Be Assigned      |
| Filing Date          | Herewith            |
| First Named Inventor | David. R. GRASSETTI |
| Examiner Name        | To Be Assigned      |
| Group Art Unit       | To Be Assigned      |
| Attorney Docket No.  | 497872000400        |

**TOTAL AMOUNT OF PAYMENT**

(\$406.00)

**METHOD OF PAYMENT**

- 1.
- ☒
- The Commissioner is hereby authorized to charge indicated fees and credit any overpayments to:

Deposit Account Number: 03-1952

Deposit Account Name: Morrison & Foerster LLP

- ☒ Charge Any Additional Fee Required Under 37 CFR 1.16 and 1.17
- ☒ Applicant claims small entity status. See 37 CFR 1.27

- 2.
- ☐
- Payment Enclosed:

☐ Check ☐ Credit Card ☐ Money Order ☐ Other**FEE CALCULATION****1. BASIC FILING FEE**

| Large Fee Code | Entity Fee (\$) | Small Fee Code | Entity Fee (\$) | Fee Description        | Fee Paid |
|----------------|-----------------|----------------|-----------------|------------------------|----------|
| 101            | 740             | 201            | 370             | Utility filing fee     | 370      |
| 106            | 330             | 206            | 165             | Design filing fee      |          |
| 107            | 510             | 207            | 255             | Plant filing fee       |          |
| 108            | 740             | 208            | 370             | Reissue filing fee     |          |
| 114            | 160             | 214            | 80              | Provisional filing fee |          |

**SUBTOTAL (1)** (\$370.00)**2. EXTRA CLAIM FEES**

| Total Claims       | Extra Claims | Fee from below | Fee Paid           |
|--------------------|--------------|----------------|--------------------|
| 24-20 =            | 4            | x \$9.00       | = \$36.00          |
| Independent Claims | 3-3 =        | 0              | x \$42.00 = \$0.00 |
| Multiple Dependent |              |                | = \$0.00           |

| Large Fee Code | Entity Fee (\$) | Small Fee Code | Entity Fee (\$) | Fee Description   |
|----------------|-----------------|----------------|-----------------|---|
| 103            | 18              | 203            | 9               | Claims in excess of 20                                    |
| 102            | 84              | 202            | 42              | Independent claims in excess of 3                         |
| 104            | 280             | 204            | 140             | Multiple dependent claims, if not paid                    |
| 109            | 84              | 209            | 42              | **Reissue independent claims over original patent         |
| 110            | 18              | 210            | 9               | **Reissue claims in excess of 20 and over original patent |

**SUBTOTAL (2)** (\$36.00)

\*\* or number previously paid, if greater; For reissues, see above.

**FEE CALCULATION (continued)****3. ADDITIONAL FEES**

| Large Fee Code | Entity Fee (\$) | Small Fee Code | Entity Fee (\$) | Fee Description  | Fee Paid |
|----------------|-----------------|----------------|-----------------|--|----------|
| 105            | 130             | 205            | 65              | Surcharge - late filing fee or oath  |          |
| 127            | 50              | 227            | 25              | Surcharge - late provisional filing fee or cover sheet                       |          |
| 139            | 130             | 139            | 130             | Non-English specification  |          |
| 147            | 2,520           | 147            | 2,520           | For filing a request for ex parte reexamination                              |          |
| 112            | 920*            | 112            | 920*            | Requesting publication of SIR prior to Examiner action                       |          |
| 113            | 1,840*          | 113            | 1,840*          | Requesting publication of SIR after Examiner action                          |          |
| 115            | 110             | 215            | 55              | Extension for reply within first month                                       |          |
| 116            | 400             | 216            | 200             | Extension for reply within second month                                      |          |
| 117            | 920             | 217            | 460             | Extension for reply within third month                                       |          |
| 118            | 1,440           | 218            | 720             | Extension for reply within fourth month                                      |          |
| 128            | 1,960           | 228            | 980             | Extension for reply within fifth month                                       |          |
| 119            | 320             | 219            | 160             | Notice of Appeal   |          |
| 120            | 320             | 220            | 160             | Filing a brief in support of an appeal                                       |          |
| 121            | 280             | 221            | 140             | Request for oral hearing   |          |
| 138            | 1,510           | 138            | 1,510           | Petition to institute a public use proceeding                                |          |
| 140            | 110             | 240            | 55              | Petition to revive - unavoidable   |          |
| 141            | 1,280           | 241            | 640             | Petition to revive - unintentional   |          |
| 142            | 1,280           | 242            | 640             | Utility issue fee (or reissue)   |          |
| 143            | 460             | 243            | 230             | Design issue fee   |          |
| 144            | 620             | 244            | 310             | Plant issue fee  |          |
| 122            | 130             | 122            | 130             | Petitions of the Commissioner  |          |
| 123            | 50              | 123            | 50              | Petitions related to provisional applications                                |          |
| 126            | 180             | 126            | 180             | Submission of Information Disclosure Stmt                                    |          |
| 581            | 40              | 581            | 40              | Recording each patent assignment per properties (times number of properties) |          |
| 146            | 740             | 246            | 370             | Filing a submission after final rejection (37 CFR § 1.129(a))                |          |
| 149            | 740             | 249            | 370             | For each additional invention to be examined (37 CFR § 1.129(b))             |          |
| 179            | 740             | 279            | 370             | Request for Continued Examination (RCE)                                      |          |
| 169            | 900             | 169            | 900             | Request for expedited examination of a design application                    |          |

Other fee (specify)

\$

\*Reduced by Basic Filing Fee Paid

**SUBTOTAL (3)**

(\$0.00)

**SUBMITTED BY**

Name (Print/Type) Terri Shieh-Newton

Registration No. (Attorney/Agent)

47,081

**Complete (if applicable)**

Telephone (650) 813-5649

Signature

Date January 10, 2002

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